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NOTICE OF ALLOWANCE AND FEE(S) DUE

23623 7590 11/18/2009

TUROC & WATSON, LLP
127 Public Square
57th Floor, Key Tower
CLEVELAND, OH 44114

EXAMINER

TECKLU, ISAAC TUKU

ART UNIT

PAPER NUMBER

2192

DATE MAILED: 11/18/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/714,153

11/14/2003

Kalpit Jain

2259USAP156754/VMAPP101US

2365

TITLE OF INVENTION: AGGREGATION AND PRIORITIZATION OF APPLICATION ISSUE DATA

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/18/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

23623 7590 11/18/2009

TUROC & WATSON, LLP
127 Public Square
57th Floor, Key Tower
CLEVELAND, OH 44114

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/714,153 11/14/2003 Kalpit Jain 2259USAP156754/VMAPP101US 2365

TITLE OF INVENTION: AGGREGATION AND PRIORITIZATION OF APPLICATION ISSUE DATA

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/18/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
TECKLU, ISAAC TUKU	2192	717-101000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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EXAMINER

TECKLU, ISAAC TUKU

ART UNIT

PAPER NUMBER

2192

DATE MAILED: 11/18/2009

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 727 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 727 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)	
	10/714,153	JAIN ET AL.	
	Examiner	Art Unit	
	ISAAC T. TECKLU	2192	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/11/09.
2. ☒ The allowed claim(s) is/are 1-5, 27, 29-30, 32-41, 44-46, 48, 51 and 55-58 (renumbered as 1-27).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
|---|---|

/Isaac T Tecklu/
Examiner, Art Unit 2192

/Tuan Q. Dam/
Supervisory Patent Examiner, Art Unit 2192

Art Unit: 2192

DETAILED ACTION

1. Claims 6-26, 28, 31, 42-43, 47, 49-50, 52-54 and 59 have been cancelled.
2. Claims 1-5, 27, 29-30, 32-41, 44-46, 48, 51 and 55-58 are allowed.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appear below. Should the change and/or additions be unacceptable to the Applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such amendment, it MUST be submitted no later than the payment of issue fee.

Authorization for examiner's amendment was given in a telephone interview with Daniel S. Castro, Reg. No. 60,359, on October 5, 2009 to put the case in condition for allowance.

4. The Claims are amended, as presented below, to adopt the changes provided by Applicant's representative on October 5, 2009. Furthermore, Claims 45-46, 48, 51, 55-57 are amended to obviate any potential 101 issues.

IN THE CLAIMS:

The listings of claims below will replace all prior versions, and listings, of claims in the application.

Please cancel claims 26, 28, 31, 42-43, 47, 50, 52-54 and 59 and amend claims 1, 29-30, 32, 44-46, 48, 51 and 55-57 as follows:

Art Unit: 2192

1. (Currently Amended) A portal server comprising:
a processor; and
a memory component communicatively coupled to the processor, the memory component having stored therein computer-executable instructions configured to implement aspects of the portal server including:

a data interface for accessing a plurality of application issue data sources for obtaining application issue data regarding one or more applications associated with a plurality of independent software vendors (ISVs), where the data interface is configured to facilitate access to the application issue data; and

an aggregation module for aggregating the application issue data to facilitate determining an aggregated application issue data set, the aggregation module configured to aggregate the application issue data by application and as a function of a qualitative priority, and for presenting a customizable user interface that presents the aggregated application issue data set including data pertaining to one or more applications associated with a corresponding ISV of the plurality of ISVs,

wherein the data pertaining to the one or more applications associated with the corresponding ISV includes names of the applications associated with the corresponding ISV, a number of blocking issue data items associated with respective instances of the applications associated with the corresponding ISV, a number of quality issue data items associated with respective instances of the applications associated with the corresponding ISV, and a number of compatibility fix issue data items associated with respective instances of the applications associated with the corresponding ISV.

Art Unit: 2192

2. (Previously Presented) The portal server according to Claim 1, wherein the aggregation module is further operable to prioritize data included in the application issue data set according to at least one criterion received from an external computing device.

3. (Previously Presented) The portal server according to Claim 2, wherein the at least one criterion includes one or more criteria selected from the group consisting of issue ID, application name, application version, issue type, issue priority, operating system, and number of issue reports per issue.

4. (Previously Presented) The portal server according to Claim 1, wherein the plurality of application issue data sources comprise a database of logo certification test results and a database of user-reported computer crash data.

5. (Previously Presented) The portal server according to Claim 4, wherein the plurality of application issue data sources further comprise an additional database of application experience test data.

6 – 25. (Cancelled)

26. (Cancelled)

27. (Previously Presented) The portal server according to Claim 1 further comprising a network interface accessible by at least one of a plurality of external computing devices.

Art Unit: 2192

28. (Cancelled)

29. (Currently Amended) The portal server according to Claim ~~28~~ 1, wherein at least one of the ~~application~~ names of the applications associated with the corresponding ISV is a hyperlink to an issue list comprising application issue data for the corresponding application, at least one of the numbers of the blocking issue data items is a hyperlink to an issue list comprising blocking issue data for the corresponding application, at least one of the numbers of the quality issue data items is a hyperlink to an issue list comprising quality issue data for the corresponding application, and at least one of the numbers of the compatibility fix issue data items is a hyperlink to an issue list comprising compatibility fix issue data for the corresponding application.

30. (Currently Amended) A user interface comprising:

at least one processor communicatively coupled to the user interface for carrying out computer executable instructions in connection with user interface processes;

a login credentials pane, where entry of credentials allows access to application issue data stored in a plurality of data sources;

a search pane configured to receive an input pertaining to at least one search term, whereby data stored in the data sources is aggregated as a function of the at least one search term and a qualitative priority to determine an aggregated application issue data set; and

a task pane configured to receive a formatting input pertaining to a preferred format for displaying the aggregated application issue data set; and

a content pane configured to display the aggregated application issue data set, wherein the display of the aggregated application issue data set includes names of a set of applications associated

Art Unit: 2192

with a particular independent software vendor (ISV), a number of blocking issue data items associated with at least one application in the set, a number of quality issue data items associated with at least one application in the set, and a number of compatibility fix issue data items associated with at least one application in the set.

31. (Cancelled)

32. (Currently Amended) The user interface according to Claim ~~31~~ 30, wherein the task pane contains a listing of available formats.

33. (Previously Presented) The user interface according to Claim 32, wherein the listing of available formats comprises a summary format.

34. (Previously Presented) The user interface according to Claim 33, wherein at least one of the application issues has associated therewith number of reports of that issue, and wherein the summary format comprises a graphical illustration of the number of reports associated with respective application issues, respective instances of the application issues in the subset having associated therewith more reports than any of the remaining issues not in the subset.

35. (Previously Presented) The user interface according to Claim 32, wherein the listing of available formats comprises a format wherein at least one of the applications is listed and is visually associated with information regarding application issues for that application.

Art Unit: 2192

36. (Previously Presented) The user interface according to Claim 35, wherein the information visually associated with at least one of the one or more applications comprises an indication of the total number of issues associated with that application.

37. (Previously Presented) The user interface according to Claim 36, wherein at least one of the applications issues have one of a plurality of types, and wherein the information visually associated with the one or more applications comprises an indication of the number of issues of at least one type associated with that application.

38. (Previously Presented) The user interface according to Claim 35, wherein the information visually associated with at least one of the one or more applications comprises an indication of the total number of issues associated with that application when used in conjunction with an indicated operating system.

39. (Previously Presented) The user interface according to Claim 32, wherein the listing of available formats comprises a format wherein all application issues associated with the one or more applications are presented.

40. (Previously Presented) The user interface according to Claim 39, wherein at least one application issue has an identifier, and wherein within the format all application issues associated with the one or more applications are presented, and the application issues are grouped by application issue identifier.

Art Unit: 2192

41. (Previously Presented) The user interface according to Claim 30, wherein the search pane comprises selectable search filters.

42-43. (Cancelled)

44. (Currently Amended) A user interface according to Claim ~~43~~ 30, wherein at least one of the application names is a hyperlink to an issue list comprising application issue data for the corresponding application, at least one number of the blocking issue data items is a hyperlink to an issue list comprising quality issue data for the corresponding application, and at least one number of the compatibility fix issue data items is a hyperlink to an issue list comprising compatibility fix issue data for the corresponding application.

45. (Currently Amended) A computer-readable storage medium having instructions stored thereon, the instructions comprising:

- instructions to gather application issue data from a plurality of data sources;
- instructions to aggregate application issue data from the data sources as a function of a qualitative priority such that application issue data attributed to a particular independent software vendor (ISV) is accessible through a login protocol; ~~and~~
- instructions to aggregate application issue data from the data sources such that application issue data pertaining to a common application are grouped together; and
- instructions to display the aggregated application issue data, wherein the displayed aggregated application issue data includes names of a set of applications associated with a corresponding ISV, a number of blocking issue data items associated with at least one application in the set,

Art Unit: 2192

a number of quality issue data items associated with at least one application in the set, and a number of compatibility fix issue data items associated with at least one application in the set.

46. (Currently Amended) The computer-readable storage medium according to claim 45, wherein the instructions to gather application issue data from a plurality of data sources comprises the instructions to gather the application issue data from a database storing at least one item of user crash report data and a database storing at least one item of test report data.

47. (Cancelled)

48. (Currently Amended) A computer-readable storage medium having instructions stored thereon, the instructions comprising:

instructions to gather application issue data from a plurality of data sources;

instructions to aggregate application issue data from the data sources as a function of a qualitative priority, wherein application issue data attributed to a particular independent software vendor (ISV) is accessible through a login protocol; ~~and~~

instructions to aggregate application issue data from the data sources such that application issue data pertaining to a common application are grouped together; and

instructions to display the aggregated application issue data, wherein the displayed aggregated application issue data includes names of a set of applications associated with a corresponding ISV, a number of blocking issue data items associated with at least one application in the set, a number of quality issue data items associated with at least one application in the set, and a number of compatibility fix issue data items associated with at least one application in the set.

Art Unit: 2192

49. (Cancelled)

50. (Cancelled)

51. (Currently Amended) A computing device comprising:

at least one processor;

means for gathering application issue data from a plurality of data sources;

means for aggregating application issue data from the data sources as a function of a qualitative priority such that application issue data attributed to a particular independent software vendor (ISV) is accessible through a login protocol; ~~and~~

means for aggregating application issue data from the data sources such that application issue data pertaining to a common application are grouped together; and

means for displaying the aggregated application issue data, wherein the displayed aggregated application issue data includes names of a set of applications associated with a corresponding ISV, a number of blocking issue data items associated with at least one application in the set, a number of quality issue data items associated with at least one application in the set, and a number of compatibility fix issue data items associated with at least one application in the set.

52-54. (Cancelled)

55. (Currently Amended) The computer-readable storage medium according to Claim 48, wherein the instructions to gather application issue data from a plurality of data sources

Art Unit: 2192

comprises the instructions to gather the application issue data from a database storing at least one item of user crash report data and a database storing at least one item of test report data.

56. (Currently Amended) The computer-readable storage medium according to Claim 45 further comprising instructions to transmit the aggregated application issue data for visual presentation.

57. (Currently Amended) The computer-readable storage medium according to Claim 48 further comprising instructions to transmit the aggregated application issue data for visual presentation.

58. (Previously Presented) The computing device according to Claim 51 further comprising means for transmitting the aggregated application issue data for visual presentation.

59. (Cancelled)

--End--

Allowable Subject Matter

5. The following is an examiner's statement of reasons for allowance:

As applicant pointed out under Remark section, pages 11-13, Othmer et al. (US 6,266,788 B1), taken either singly and/or in combination with other cited prior arts, do not teach the combined functional limitations of an aggregation module for aggregating the application issue data to facilitate determining an aggregated application issue data set, the aggregation module configured to aggregate the application issue data by application and as a function of a qualitative priority, and for presenting a customizable user interface that presents the aggregated application issue data set including data pertaining to one or more applications associated with a corresponding ISV of the plurality of ISVs, wherein the data pertaining to the one or more applications associated with the corresponding ISV includes names of the applications associated with the corresponding ISV, a number of blocking issue data items associated with respective instances of the applications associated with the corresponding ISV, a number of quality issue data items associated with respective instances of the applications associated with the corresponding ISV, and a number of compatibility fix issue data items associated with respective instances of the applications associated with the corresponding ISV, as recited in such manners in each of independent claims 1, 30, 45, 48 and 51.

Prior arts of record do not teach and/or suggest these claimed limitations, thus, all remaining pending claims 1-5, 27, 29-30, 32-41, 44-46, 48, 51 and 55-58 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2192

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to ISAAC T. TECKLU whose telephone number is (571) 272-7957. The examiner can normally be reached on M-TH 9:300A - 8:00P.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam can be reached on (571) 272-3695. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Isaac T Tecklu/
Examiner, Art Unit 2192

/Tuan Q. Dam/
Supervisory Patent Examiner, Art Unit 2192